

AGREEMENT

THIS DEED is made this 22nd day of JUNE 1998.

BETWEEN AFRA DESIGN PTY. LTD., ACN 001 265 425, of 11 Patterson Street, Tahmorr, New South Wales 2573, Australia, ("Afra") and FRANK POPOVSKY of 11 Patterson Street, Tahmorr, New South Wales 2573, Australia, ("Popovsky");

AND ASTRA PHARMACEUTICALS PTY. LTD., ACN 009 682 311 of 10-14 Khartoum Road, North Ryde 2113, Australia, ("Astra").

WHEREAS:

- A. Afra is a company which provides consulting engineering services and which has been retained for good and valuable consideration by Astra for the purpose of developing, inter alia, improvements to syringes and the components used in their manufacture.
- B. Popovsky is an employee of Afra and has in the course of his employment with Afra and pursuant to the retainer of Afra by Astra developed a pre-filled container ("the said invention").
- C. Astra has made application in Australia in connection with the said invention, short particulars of which are set out in the Schedule hereto.
- D. Afra and Popovsky jointly and severally acknowledge that all rights in the said invention, including the right to apply for and obtain patents in its name, vested in Astra at the time of the development of the said invention pursuant to the terms of the retainer.

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The parties hereto have agreed to enter into these presents to confirm their mutual obligations and rights with respect to the said invention and any patents granted anywhere in the world in connection with the said invention.

PURSUANT TO THE FOREGOING and in consideration of the sum of Twenty Dollars (\$20.00) paid by Astra in payments of Ten Dollars (\$10.00) to Afra and Ten Dollars (\$10.00) to Popovsky and for other good and valuable consideration (the receipt and sufficiency of which is hereby acknowledged by Afra and Popovsky) this Agreement witnesses as follows:-

1. Popovsky acknowledges and confirms that the said invention were developed by him in the course of his employment with Afra.
2. Afra acknowledges and confirms that the said invention was developed pursuant to a consultancy agreement under the terms of which any invention developed by Afra and its employees is the property of Astra.
3. Afra and Popovsky acknowledge that Astra has the full right, title and interest in and to the said invention including the right to make applications for and obtain patents in connection with the said invention whether in Australia or in any other country in its own name.
4. To the further extent necessary at law (if any), Afra and Popovsky do hereby jointly and severally assign, transfer and set over unto Astra their entire right, title and interest in and to the said invention including all rights and powers to make applications relating thereto whether in Australia or in any other country and to hold any patents granted pursuant to any such applications in its own name or in the name of its successors or assigns absolutely.
5. Afra and Popovsky covenant that they will promptly execute all such supplementary assignment documents as may be reasonably required to meet the national requirements of any country in which Astra has or intends to apply for a patent for the said invention and any other documents as are necessary or convenient to secure the absolute vesting of the full right, title and interest in and to the said invention and any patents or applications for the grant of patents in connection with the said invention in the name of Astra.

SCHEDULE

Country : Australia
 Application No : ~~70 7237~~ PP 3878
 Filing Date : 3 June 1998
 Title : PRE-FILLED CONTAINER

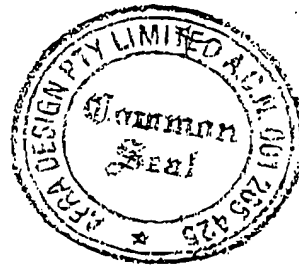
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IN WITNESS whereof the parties hereto have executed this Deed in a binding manner the date first herein specified.

THE COMMON SEAL of AFRA
 PTY. LTD. was hereunto affixed in
 accordance with its Memorandum and
 Articles of Association in the presence of:

[Signature]

A. Popovsky



SIGNED, SEALED AND DELIVERED
 by the said FRANK POPOVSKY
 in the presence of:

[Signature]
A. Popovsky

for for.

THE COMMON SEAL of ASTRA
 PHARMACEUTICALS PTY. LTD. was
 hereunto affixed in accordance with its
 Memorandum and Articles of Association in
 the presence of:

[Signature]

[Signature]

